Title: Junior ROTC

National Standards Fulton County Objectives	QCC Objectives	GHSGT	PSAT
NM. 9-12: Representations: Create and use representations to organize, record, and communicate mathematical ideas. NEFE Materials	(GA) TCCORE 9-12.2 Creates combines and connects ideas and information.	Recognizes a wide variety of occupational situations in which information is gathered and displayed, using tables, charts, and graphs.	Math Skills: Making connections among mathematical topics.
NM. 9-12: Communication: Analyze and evaluate the mathematical thinking and strategies of others. NEFE Materials	(GA) TCCORE 9-12.2 Communicates thoughts and information accurately in writing by creating and editing documents (letters, memos, directions, manuals, reports, graphs, flowcharts, etc.)		Math Skills: Making connections among mathematical topics.
NM. 9-12: Geometry: Use visualization, spatial reasoning, and geometric modeling to solve problems. NEFE Materials World Geography	Informal Geometry standard 1, Problem Solving, Visualizing, Reasoning: Solves problems and practical applications using appropriate approaches and tools and judges the reasonableness of results.	Math Strand 3, Standard 18, Estimates measures in both customary and metric systems; Standard 19, Estimates and solves problems involving measurement, including selecting appropriate tools such as calculator or mental calculation.	Math Skills: Understanding geometry and coordinated geometry.
NM. 9-12: Numbers & Operations: Compute fluently and make reasonable estimates. NEFE Materials	Concepts of Problem Solving standard 7, Number and Computation: Expresses numbers in equivalent and approximate forms and orders these forms using appropriate tools such as calculators and computers.	Math Strand 1, Standard 7, Uses estimation and approximation to check the reasonableness of computational results.	Math Skills: Using basic concepts and operations in arithmetic problem solving.
NM. 9-12: Numbers & Operations: Understand numbers, ways of representing numbers, relationships among numbers, and number systems. NEFE Materials	Concepts of Problem Solving standard 5, Real Numbers: Identifies subsets of real numbers, such as whole numbers, integers, rational and irrational numbers. (Correlated to Algebra I standard 4)	Math Strand 1, Standard 2, Expresses numbers in equivalent and approximate forms and orders these forms, using appropriate tools, such as calculators.	Math Skills: Understanding number properties and relationships.
NM. 9-12: Connections: Recognize and apply mathematics in contexts outside of mathematics. NEFE Materials	Concepts of Algebra standard 4 Connections: Investigates connections within mathematics, and connections between various mathematical topics and their applications. Views mathematics as an integrated whole rather than as an isolated set of topics.	Math Strand 1, Standard 9, Recognizes appropriate practical situations in which to use and to expect results with exact and approximate numbers.	Math Skills: Making connections among mathematical topics.

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NM. 9-12: Data Analysis and Probability: Develop and evaluate inferences and predictions that are based on data. Select and use appropriate statistical methods to analyze data. NEFE Materials	**Algebra I standard 35 Statistics: Summarizes data in various ways, including mean, median, and mode. Standard 36 Probability: Identifies possible outcomes of simple experiments and predicts or describes the probability of a given event expressed as a rational number.**	**Math Strand 2, Standard 11, Collects (through surveys and experiments) and organizes data into tables, charts, graphs, and diagrams.**	**Math Skills: Dealing with probability, basic statistics, charts and graphs. Reads and interprets tables, charts, graphs, and diagrams.**
NM. 9-12: Number and Operations: Understand meanings of operations and how they relate to one another. NEFE Materials	**Algebra I standard 5 Connections, Patterns, and Functions: Connects patterns to the concept of function and uses patterns, relations, and functions to solve problems.**		**Math Skills: Understanding number properties and relationships.**
NM. 9-12: Problem Solving: Apply and adapt a variety of appropriate strategies to solve problems. NEFE Materials	**Algebra I standard 1 Problem Solving, Reasoning: Solve problems that involve selecting appropriate approaches and tools, using estimating strategies to predict computational results, and judging reasonableness of results.**	**Recognizes appropriate practical situations in which to use and to expect results with exact and approximate numbers.**	**Math Skills: Using basic concepts and operations in arithmetic problem solving.**